- Alternate technique to SSW
- Integrate signal at fixed angle from t₁ to t₂
 - Index by fixed angle, repeat
 - Fourier analyze results
 - Extract $b_n(t_2)-b_n(t_1)$, $a_n(t_2)-a_n(t_1)$
 - t₁, t₂ correspond to I₁, I₂
 - If $b_n(t_1)$, $a_n(t_1)=0$, this gives the usual results, instead get the **change** in multipole coefficients up the ramp

Details

- Support suitable rotating coil (radius, length) using fixtures similar to those we use for the mole
- Don't attempt to reach entire body
 - Cover 2 positions: end, body near end
 - -Bring shaft outside
 - Limited coverage limits flex in shaft
 - cover enough to get clean, all body measurement
- No aperture scan, center only

- more details
 - Record analog bucked tan winding or summed (series connected) Morgan coil windings (analog bucking for free)
 - Use DVMs with external triggering and script to record winding voltage and magnet current
 - Synchronize first external trigger to cycle current and record "n" triggers up the ramp
 - cycle current synchronization imperative

- Is measuring the **change** in multipole coefficients useful?
- Remark: a "standard" technique for measuring AC
 - not so difficult or expensive but
 - Used in MTF rarely, limited success
 - used elsewhere